

Refine Search

Search Results -

Terms	Documents
L14 and (map\$ or match\$)	2

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L16

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Thursday, February 05, 2004 [Printable Copy](#) [Create Case](#)

<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
side by side			
<i>DB=PGPB,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR</i>			
<u>L16</u>	L14 and (map\$ or match\$)	2	<u>L16</u>
<u>L15</u>	L14 and ((real\$ or property) same match\$)	0	<u>L15</u>
<u>L14</u>	(advic\$ or advis\$ or reconmmend\$) and (scor\$ or rat\$ or rank\$) and (profil\$ or histor\$) and @pd<=20001128	26	<u>L14</u>
<i>DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR</i>			
<u>L13</u>	L12 and (profile with (scor\$ or rate or rating or rank or ranking))	3	<u>L13</u>
<u>L12</u>	L11 not l9	8	<u>L12</u>
<u>L11</u>	L5 and ((calculat\$ or recalculat\$ or determin\$ or "re-calculat") with (score or rank\$))	8	<u>L11</u>
<u>L10</u>	L9 and ((calculat\$ or recalculat\$ or determin\$ or "re-calculat") with (score or rank\$))	0	<u>L10</u>
<u>L9</u>	L7 and (profile same (rate or rating or rank or ranking))	5	<u>L9</u>
<u>L8</u>	L7 and (profile same score)	0	<u>L8</u>

<u>L7</u>	L5 and ((real\$ or property) same match\$)	14	<u>L7</u>
<u>L6</u>	L5 and ((real\$ or property) same match\$)	14	<u>L6</u>
<u>L5</u>	L4 and (age or family or origin\$ or national\$ or marital or income)	63	<u>L5</u>
<u>L4</u>	L3 and l2	70	<u>L4</u>
<u>L3</u>	705/26,27.ccls.	1077	<u>L3</u>
<u>L2</u>	(advic\$ or advis\$ or reconmmend\$) and (scor\$ or rat\$ or rank\$) and (profile) and @ad<=20001128	5213	<u>L2</u>
<u>L1</u>	(advic\$ or advis\$ or reconmmend\$) and (scor\$ or rat\$ or rank\$) and (profil\$ or histor\$) and @ad<=20001128	8020	<u>L1</u>

END OF SEARCH HISTORY

Hit List

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 5 of 5 returned.

☐ 1. Document ID: US 6418424 B1

Using default format because multiple data bases are involved.

L18: Entry 1 of 5

File: USPT

Jul 9, 2002

US-PAT-NO: 6418424

DOCUMENT-IDENTIFIER: US 6418424 B1

TITLE: Ergonomic man-machine interface incorporating adaptive pattern recognition based control system

DATE-ISSUED: July 9, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hoffberg; Steven M.	West Harrison	NY	10604	
Hoffberg-Borghesani; Linda I.	Acton	MA	01720	

US-CL-CURRENT: 706/21; 434/178, 706/52

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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AT ☐ 2. Document ID: US 6400996 B1

L18: Entry 2 of 5

File: USPT

Jun 4, 2002

US-PAT-NO: 6400996

DOCUMENT-IDENTIFIER: US 6400996 B1

TITLE: Adaptive pattern recognition based control system and method

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 3. Document ID: US 6131085 A

L18: Entry 3 of 5

File: USPT

Oct 10, 2000

US-PAT-NO: 6131085

DOCUMENT-IDENTIFIER: US 6131085 A

TITLE: Answer collection and retrieval system governed by a pay-off meter

h e b b g e e e f e h ch ef b e

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Da
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☐ 4. Document ID: US 6112181 A

L18: Entry 4 of 5

File: USPT

Aug 29, 2000

US-PAT-NO: 6112181

DOCUMENT-IDENTIFIER: US 6112181 A

**** See image for Certificate of Correction ****

TITLE: Systems and methods for matching, selecting, narrowcasting, and/or classifying based on rights management and/or other information

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Da
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☐ 5. Document ID: US 6038554 A

L18: Entry 5 of 5

File: USPT

Mar 14, 2000

US-PAT-NO: 6038554

DOCUMENT-IDENTIFIER: US 6038554 A

**** See image for Certificate of Correction ****

TITLE: Non-Subjective Valuing.COPYRGT. the computer aided calculation, appraisal and valuation of anything and anybody

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Da
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Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Terms

Documents

L17 and ((real\$ or property) with (map\$ or match\$))

5

Display Format: Change Format

[Previous Page](#)

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Hit List

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 5 of 5 returned.

☐ 1. Document ID: US 6606744 B1

L9: Entry 1 of 5

File: USPT

Aug 12, 2003

US-PAT-NO: 6606744

DOCUMENT-IDENTIFIER: US 6606744 B1

TITLE: Providing collaborative installation management in a network-based supply chain environment

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWOC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	---------

☐ 2. Document ID: US 6578011 B1

L9: Entry 2 of 5

File: USPT

Jun 10, 2003

US-PAT-NO: 6578011

DOCUMENT-IDENTIFIER: US 6578011 B1

TITLE: System and method for directing and instructing customers to deal with specific merchants using incentives

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWOC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	---------

☐ 3. Document ID: US 6356905 B1

L9: Entry 3 of 5

File: USPT

Mar 12, 2002

US-PAT-NO: 6356905

DOCUMENT-IDENTIFIER: US 6356905 B1

TITLE: System, method and article of manufacture for mobile communication utilizing an interface support framework

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWOC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	---------

☐ 4. Document ID: US 6134548 A

L9: Entry 4 of 5

File: USPT

Oct 17, 2000

h e b b g e e f e h ch ef b e

US-PAT-NO: 6134548

DOCUMENT-IDENTIFIER: US 6134548 A

TITLE: System, method and article of manufacture for advanced mobile bargain shopping

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	--------

☐ 5. Document ID: US 5862223 A

L9: Entry 5 of 5

File: USPT

Jan 19, 1999

US-PAT-NO: 5862223

DOCUMENT-IDENTIFIER: US 5862223 A

TITLE: Method and apparatus for a cryptographically-assisted commercial network system designed to facilitate and support expert-based commerce

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw D
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[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Terms	Documents
L7 and (profile same (rate or rating or rank or ranking))	5

Display Format: [Change Format](#)[Previous Page](#)[Next Page](#)[Go to Doc#](#)

Hit List

Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: US 6266649 B1

L13: Entry 1 of 3

File: USPT

Jul 24, 2001

US-PAT-NO: 6266649

DOCUMENT-IDENTIFIER: US 6266649 B1

**** See image for Certificate of Correction ****

TITLE: Collaborative recommendations using item-to-item similarity mappings

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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☐ 2. Document ID: US 6108640 A

L13: Entry 2 of 3

File: USPT

Aug 22, 2000

US-PAT-NO: 6108640

DOCUMENT-IDENTIFIER: US 6108640 A

TITLE: System for calculating occasion dates and converting between different calendar systems, and intelligent agent for using same

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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☐ 3. Document ID: US 5983200 A

L13: Entry 3 of 3

File: USPT

Nov 9, 1999

US-PAT-NO: 5983200

DOCUMENT-IDENTIFIER: US 5983200 A

**** See image for Certificate of Correction ****

TITLE: Intelligent agent for executing delegated tasks

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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Terms	Documents
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L12 and (profile with (scor\$ or rate or rating or rank or ranking))	3
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Display Format: [Change Format](#)

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First Hit☐ **Generate Collection** **Print**

L16: Entry 1 of 2

File: JPAB

Oct 6, 2000

PUB-NO: JP02000278678A

DOCUMENT-IDENTIFIER: JP 2000278678 A

TITLE: UNIT AND METHOD FOR OUTPUTTING INFORMATION AND STORAGE MEDIUM STORING ITS PROGRAM

PUBN-DATE: October 6, 2000

INVENTOR-INFORMATION:

NAME

COUNTRY

UEDA, TAKANARI

OTANI, NORIKO

FUJII, KENICHI

ITO, SHIRO

IKEDA, YUJI

ASSIGNEE-INFORMATION:

NAME

COUNTRY

CANON INC

APPL-NO: JP11077589

APPL-DATE: March 23, 1999

INT-CL (IPC): H04 N 7/18; G06 F 17/30; G10 K 15/04; G10 L 13/00; G10 L 21/06

ABSTRACT:

PROBLEM TO BE SOLVED: To provide a proper advice matching a present scope in a proper timing.

SOLUTION: This information output device is provided with an advice score calculation section 115 that calculates a score of an advice among advice objects stored in an advice object storage section 112 matching a present scope in a scope holding part on the basis of a degree of request of an advice by a user, the importance of the advice and an elapsed time after a newest operation and discriminates whether or not the calculated scope is higher than the threshold and with an advice selection section 113 that selects an advice with a higher score than the threshold, not stored in an advice history storage section 120 and having not been yet outputted.

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First Hit**End of Result Set**☐ **Generate Collection** **Print**

L16: Entry 2 of 2

File: DWPI

Oct 26, 1999

DERWENT-ACC-NO: 1999-610498

DERWENT-WEEK: 199952

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: Automated search notifying method for trading on WEB

INVENTOR: BISDIKIAN, C; DOGANATA, Y N ; TANTAWI, A N

PATENT-ASSIGNEE: INT BUSINESS MACHINES CORP (IBMC)

PRIORITY-DATA: 1997US-0914302 (August 18, 1997)

Search Selected**Search ALL****Clear**

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> <u>US 5974406 A</u>	October 26, 1999		010	G06F017/30

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
US 5974406A	August 18, 1997	1997US-0914302	

INT-CL (IPC): G06 F 17/30

ABSTRACTED-PUB-NO: US 5974406A

BASIC-ABSTRACT:

NOVELTY - The automated-search system receives and stores a personalized user notification profile via user interface. The search query received during logged-on session, is matched with information in a database during logged-off state of the automated-search system and is notified that requested information is in accordance with stored user notification profile.

DETAILED DESCRIPTION - The user notification profile is one of notification of telephone message, facsimile message or electronic mail message. An INDEPENDENT CLAIM is also included for automatic matching and scheduling system.

USE - For trading goods on WEB e.g. automobiles, audio/video equipment, clothes, real estate, mail order catalog services. Also like theater seat, restaurant table reservation, legal advice, insurance rate comparison etc.

ADVANTAGE - Eliminates time consuming during talking over the phone, using automatic searching process. The system may even arrange conference meetings between interested parties by connecting system to conference server or telephone server etc.

DESCRIPTION OF DRAWING(S) - The figure shows the steps taken by notification system after receiving a signal from resource searching and matching engine.

ABSTRACTED-PUB-NO: US 5974406A
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg. 4/5

DERWENT-CLASS: T01
EPI-CODES: T01-J05B;

First Hit Fwd Refs



Generate Collection

Print

L9: Entry 1 of 5

File: USPT

Aug 12, 2003

US-PAT-NO: 6606744

DOCUMENT-IDENTIFIER: US 6606744 B1

TITLE: Providing collaborative installation management in a network-based supply chain environment

DATE-ISSUED: August 12, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mikurak; Michael G.	Hamilton	NJ		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Accenture, LLP	Palo Alto	CA			02

APPL-NO: 09/ 444654 [PALM]

DATE FILED: November 22, 1999

INT-CL: [07] G06 F 9/445

US-CL-ISSUED: 717/174; 717/174, 717/178, 705/26

US-CL-CURRENT: 717/174; 705/26, 717/178

FIELD-OF-SEARCH: 717/168, 717/170, 717/171, 717/174, 717/177, 717/172, 717/102, 717/176, 717/178, 705/1, 705/21, 705/26, 705/28, 709/201, 709/217, 709/227

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

Clear

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>4491947</u>	January 1985	Frank	
<input type="checkbox"/>	<u>4972453</u>	November 1990	Daniel et al.	
<input type="checkbox"/>	<u>5109337</u>	April 1992	Ferriter et al.	
<input type="checkbox"/>	<u>5159685</u>	October 1992	Kung	
<input type="checkbox"/>	<u>5297031</u>	March 1994	Guttermann et al.	
<input type="checkbox"/>	<u>5483637</u>	January 1996	Winokur et al.	
<input type="checkbox"/>	<u>5495610</u>	February 1996	Shing et al.	709/221

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<input type="checkbox"/>	<u>5611048</u>	March 1997	Jacobs et al.	713/202
<input type="checkbox"/>	<u>5621663</u>	April 1997	Skagerling	
<input type="checkbox"/>	<u>5646864</u>	July 1997	Whitney	
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<input type="checkbox"/>	<u>5696975</u>	December 1997	Moore et al.	717/168
<input type="checkbox"/>	<u>5729735</u>	March 1998	Meyering	
<input type="checkbox"/>	<u>5761502</u>	June 1998	Jacobs	
<input type="checkbox"/>	<u>5764543</u>	June 1998	Kennedy	
<input type="checkbox"/>	<u>5768501</u>	June 1998	Lewis	
<input type="checkbox"/>	<u>5819028</u>	October 1998	Manghirmalani et al.	
<input type="checkbox"/>	<u>5832196</u>	November 1998	Croslin et al.	
<input type="checkbox"/>	<u>5864483</u>	January 1999	Brichta	
<input type="checkbox"/>	<u>5864662</u>	January 1999	Brownmiller et al.	
<input type="checkbox"/>	<u>5883955</u>	March 1999	Ronning	
<input type="checkbox"/>	<u>5890175</u>	March 1999	Wong et al.	
<input type="checkbox"/>	<u>5893905</u>	April 1999	Main et al.	
<input type="checkbox"/>	<u>5895454</u>	April 1999	Harrington	
<input type="checkbox"/>	<u>5907490</u>	May 1999	Oliver	
<input type="checkbox"/>	<u>5953707</u>	September 1999	Huang et al.	
<input type="checkbox"/>	<u>5974391</u>	October 1999	Hongawa	
<input type="checkbox"/>	<u>5974395</u>	October 1999	Bellini et al.	705/9
<input type="checkbox"/>	<u>5974403</u>	October 1999	Takriti et al.	
<input type="checkbox"/>	<u>5987423</u>	November 1999	Arnold et al.	
<input type="checkbox"/>	<u>5999525</u>	December 1999	Krishnaswamy et al.	
<input type="checkbox"/>	<u>6006016</u>	December 1999	Faigon et al.	
<input type="checkbox"/>	<u>6006196</u>	December 1999	Feigin et al.	
<input type="checkbox"/>	<u>6058426</u>	May 2000	Godwin et al.	
<input type="checkbox"/>	<u>6067525</u>	May 2000	Johnson et al.	
<input type="checkbox"/>	<u>6104868</u>	August 2000	Peters et al.	
<input type="checkbox"/>	<u>6105069</u>	August 2000	Franklin et al.	709/229
<input type="checkbox"/>	<u>6151582</u>	November 2000	Huang et al.	
<input type="checkbox"/>	<u>6157915</u>	December 2000	Bhaskaran et al.	705/7
<input type="checkbox"/>	<u>6167378</u>	December 2000	Weber, Jr.	
<input type="checkbox"/>	<u>6195697</u>	February 2001	Bowman-Amuah	
	<u>6199204</u>	March 2001	Donohue	717/178

<input type="checkbox"/>				
<input type="checkbox"/>	<u>6219700</u>	April 2001	Chang et al.	709/222
<input type="checkbox"/>	<u>6253339</u>	June 2001	Tse et al.	
<input type="checkbox"/>	<u>6256676</u>	July 2001	Taylor et al.	709/246
<input type="checkbox"/>	<u>6289462</u>	September 2001	McNabb et al.	713/201
<input type="checkbox"/>	<u>6314565</u>	November 2001	Kenner et al.	717/171
<input type="checkbox"/>	<u>6347398</u>	February 2002	Parthasarthy et al.	717/178
<input type="checkbox"/>	<u>6349237</u>	February 2002	Koren et al.	
<input type="checkbox"/>	<u>6470496</u>	October 2002	Kato et al.	717/173
<input type="checkbox"/>	<u>6487718</u>	November 2002	Rodriguez et al.	717/177

OTHER PUBLICATIONS

Tan et al, "Applying component technology to improve global supply chain network management", ACM pp. 296-301, 1999.*

Ball et al, "Supply chain infrastructures system integration and information sharing", ACM SIGMOD, vol. 31, No. 1, pp. 61-66, Mar. 2002.*

Fu et al, "Multi agent enabled modeling and simulation towards collaborative inventory management in supply chains", ACM Proc. winter simulation, pp. 1763-1771, 2000.*

Zhao et al, "Data management issues for large scale distributed workflow system on the internet", The database for Adv. in Inf. Sys. vo. 29, No. 4, pp. 22-32, 1998.*

"Network Trends: Internet Technology Improves Supply Chain Management". Asia computer Trends. Singapore. Dec. 14, 1998.

"Network Two Chooses Netcool to Support Ongoing Expansion and Proactive Management Initiative", Business Wire, Nov. 2, 1998, 2 pages, [Retrieved on Mar. 19, 2002], Retrieved from: Proquest.

"Proactive Networks Offers TelAlert-Pronto Watch 2.5 Integration", business Wire, Nov. 2, 1998, 2 pages, [Retrieved on Mar. 19, 2002], Retrieved from: Proquest.

"User's Guide for Microsoft Project." 1995; Microsoft Corporation. pp. 3,4,14-16, 82-84, 91, 130, 132-134, 175, 209. Document No. Pj62476-0895.

ART-UNIT: 2122

PRIMARY-EXAMINER: Khatri; Anil

ATTY-AGENT-FIRM: Oppenheimer Wolff & Donnelly, LLP Nader; Rambed

ABSTRACT:

A system, method and article of manufacture are provided for collaborative installation management in a network-based supply chain environment. According to an embodiment of the invention, telephone calls, data and other multimedia information are routed through a network system which includes transfer of information across the internet utilizing telephony routing information and internet protocol address information. The system includes integrated Internet Protocol (IP) telephony services allowing a user of a web application to communicate in an audio fashion in-band without having to pick up another telephone. Users can click a button and go to a call center through the network using IP telephony. The system invokes an IP telephony session simultaneously with the data session, and uses an active directory lookup whenever a user uses the system. Users include service providers and manufacturers utilizing the network-based supply chain environment.

First Hit Fwd Refs



Generate Collection

Print

L9: Entry 2 of 5

File: USPT

Jun 10, 2003

US-PAT-NO: 6578011

DOCUMENT-IDENTIFIER: US 6578011 B1

TITLE: System and method for directing and instructing customers to deal with specific merchants using incentives

DATE-ISSUED: June 10, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Forward; David R.	Potomac	MD		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
NewHomesAmerica.com, Inc.	Alexandria	VA			02

APPL-NO: 09/ 383196 [PALM]

DATE FILED: August 26, 1999

INT-CL: [07] G06 F 17/60

US-CL-ISSUED: 705/14; 705/10, 705/26, 705/27

US-CL-CURRENT: 705/14; 705/10, 705/26, 705/27

FIELD-OF-SEARCH: 705/1, 705/10, 705/14, 705/26, 705/27

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>4870576</u>	September 1989	Tornetta	
<input type="checkbox"/>	<u>5032989</u>	July 1991	Tornetta	
<input type="checkbox"/>	<u>5233514</u>	August 1993	Ayyoubi et al.	
<input type="checkbox"/>	<u>5283731</u>	February 1994	Lalonde et al.	
<input type="checkbox"/>	<u>5297026</u>	March 1994	Hoffman	
<input type="checkbox"/>	<u>5483444</u>	January 1996	Heintzeman et al.	
<input type="checkbox"/>	<u>5537314</u>	July 1996	Kanter	705/14
<input type="checkbox"/>	<u>5664115</u>	September 1997	Fraser	

<input type="checkbox"/>	<u>5710886</u>	January 1998	Christensen et al.	705/14
<input type="checkbox"/>	<u>5729693</u>	March 1998	Holda-Fleck	705/14
<input type="checkbox"/>	<u>5754850</u>	May 1998	Janssen	
<input type="checkbox"/>	<u>5774870</u>	June 1998	Storey	
<input type="checkbox"/>	<u>5794207</u>	August 1998	Walker et al.	
<input type="checkbox"/>	<u>RE36116</u>	February 1999	McCarthy	705/16
<input type="checkbox"/>	<u>6029141</u>	February 2000	Bezos et al.	705/27
<input type="checkbox"/>	<u>6405174</u>	June 2002	Walker et al.	705/14

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
370847	May 1990	EP	

OTHER PUBLICATIONS

Homeseekers.com, printed on Oct. 13, 1999, 4 pages.
 Homebuilder.com, printed on Oct. 13, 1999, 16 pages.
 Owners.com, printed on Oct. 13, 1999, 1 page.
 Cyberhomes.com, printed on Oct. 13, 1999, 2 pages.
 Town.com, printed on Oct. 13, 1999, 5 pages.
 Homeadvisor.msn.com, printed on Oct. 13, 1999, 3 pages.
 Realtor.com, printed on Oct. 13, 1999, 7 pages.
 Dialog file 148 No. 07965554, Hollis, "Raleigh Springs Mall Incentive Program Rewards frequent Shoppers", Jun. 5, 1995, Memphis Business Journal, V17, n3, p3 (2).
 Dialog file 20, No. 01731694, "V.I.P. Rewards" May 19, 1998, Wells Fargo Group, Business Wire.*
 Dialog file 621, No. 01908438, "ebats.com announces Hot summer Specials, Internet's next-Generation Shopping Portal offers additional 5% Cash Back Through Jul.", Jun. 29, 1999, Business Wire, p1042.*
 HM Customs & Excise: Business Promotion Schemes, M2 Presswire, PN/A. Dialog file 636 03149811, Jun. 1996.*
 Marketing News, Apr. 14, 1997, vol. 31 Issue 8, p12.

ART-UNIT: 3622

PRIMARY-EXAMINER: Kemper; M.

ASSISTANT-EXAMINER: Alvarez; Raquel

ATTY-AGENT-FIRM: Hunton & Williams

ABSTRACT:

A buyer-seller matching system that uses incentives to verify commissions from matching the buyer with a seller. An item locator system that comprises a repository of information about items for purchase may be provided over a network for users to access information about items for purchase. Along with each item, the system presents an incentive that may be realized if that item is purchased from a designated third party seller. The user then executes the purchase with the seller, who pays the system the agreed upon fee and also issues a certification of purchase

to the buyer. The user may then take the certification of purchase back to the central repository to redeem the incentive. The item locator system then checks to verify that it has received a fee or commission from the seller for bringing the seller a buyer of the item. The fee or commission may be based on the price of the item, such as if the item is a new house for sale and the seller is a new house builder.

18 Claims, 4 Drawing figures

First Hit Fwd Refs

End of Result Set



Generate Collection

Print

L13: Entry 3 of 3

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**** See image for Certificate of Correction ****

TITLE: Intelligent agent for executing delegated tasks

Application Filing Date (1):

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Brief Summary Text (13):

Using the present invention, both payment and delivery can be specified for future occurrence. In addition, the present invention incorporates a learning database that accumulates data on an incremental as-needed basis. The present invention learns terms which it didn't originally know (such as nicknames, shipping addresses, alternate product names, and user's preferences over products) but only requires the data needed for the current task. The present invention remembers the data (like a good executive assistant) as a way to expedite the delegation process of the present task and similar tasks in the future.

Brief Summary Text (15):

The invention disclosed herein also teaches a system for reproducing information itself or in material objects, here and now, or in the future, at a point of sale, or when the information originates either at the point of sale, or at a different place or at a different time or times. In addition, the invention teaches a system for purchaser input to personalize the product or otherwise assist in creation of the product. In addition, the present invention teaches a method of manufacturing other types of material objects that are not the reproduction of information, at point of sale, or at a distance in time and place. In addition, the present invention teaches a method of reproducing such information when the information (or part of it) originates (or is developed) over time from a user's input, in that the learning database accumulates information from time to time and over time. The accumulated information is embodied in or modifies the production or shipping of the manufactured material object. In addition, the present invention teaches a method and system by which such material objects can be ordered using natural language. The present invention also teaches a system for reproducing information with respect to services and intangibles in addition to material objects.

Brief Summary Text (30):

Consider a variation of the third example, "Make travel arrangements to Cairo for Easter weekend." This illustrates how a delegated task may consist of performing and coordinating a number of related tasks. For example, making travel arrangements entails not only ordering airplane tickets, but also making hotel reservations, arranging car rentals, reserving meeting rooms, choosing restaurants (and making reservations for them), and arranging for sightseeing tours and entertainment (including purchasing theater or concert tickets). When requested, the apparatus also makes arrangements for traveling companions (whether business or family). To accomplish portions of this task (such as choosing entertainment or a restaurant), the device may have to query the user on current preferences in the same manner that an executive assistant would ask what kind of food you are in the mood for. In fact, when the task of ordering airplane tickets is given to the device, it may

query the user about the need for hotel accommodations, car rentals, and the like.

Brief Summary Text (33):

The above examples have focused on user originated tasks, but many tasks are undertaken in response to queries, solicitations or directives from others. Such tasks may also be streamlined and delegated using the invention when the queries conform to the device's specifications and architecture.

Brief Summary Text (37):

The apparatus is not limited to user originated tasks, or response tasks. The device may be delegated tasks which involve interactions (including automated querying, response, re-querying, and other feedback) among several components of the apparatus. This is like an executive assistant who is given a task, but must find out certain information from others before the task can be executed. Examples of such tasks include delegating scheduling of a doctor's appointment, or scheduling a meeting among individuals who use different scheduling software. (Current electronic schedulers can service individuals within a work group on one network with the same software, but do not provide this service in a cross-platform manner or between networks.)

Brief Summary Text (39):

The fourth example illustrates an interactive embodiment of the invention which plans and helps cook meals; "Plan dinner for six with a fish entree and pasta side dish, and limit the salt and cholesterol." The device first acts as an expert system (e.g., a famous chef such as Julia Childs) to help plan the menus for one meal or a week of meals. The device may query the user to establish constraints (e.g., "Do you want spicy or mild?" "How long do you have to prepare the meal?" "How long do you have to eat the meal?") After establishing a menu, the device prepares a list of ingredients, altering recipes using previously entered data to accommodate the user's special tastes, dietary restrictions and the number of family members (and planned-for guests). The device also keeps a running inventory of food in the user's refrigerator and pantry. The device then compares the ingredients list and the inventory list and prepares a shopping list for needed ingredients. The shopping list is automatically and electronically sent to the grocery for regularly (or specially) scheduled delivery. The device may also have an inventory of the user's cooking appliances and pots and pans. When the meal is to be cooked, the device internally prepares a critical path method using appropriate cookware and appliances to ensure that all the food is done at the appropriate times and in the most efficient manner. The device tells the user (onscreen or via speech synthesis) what ingredients to take out of the refrigerator or pantry, and when, the order in which to cook items and how long to cook each item. If the device is embodied with a screen monitor in the user's kitchen area, the screen may display video demonstrations of special cooking techniques at the appropriate time (e.g., correct sauteing or basting techniques). If guests are to be invited, the device can send out invitations when the meal is first being planned. Similar embodiments help plan and carry out home improvement projects (e.g., building a deck or fixing a faucet).

Brief Summary Text (41):

With the apparatus a user can order not only flowers, but all goods, services or entertainments which can be ordered or dispensed electronically. The user is able to delegate tasks that occur not only just now but also in the future or on a periodic or repetitive basis. Payment for executing the command and providing the requested goods, services or entertainments need not be made when the command is initially entered, but rather may be postponed automatically until the task is executed. The apparatus incorporates an intelligent database that learns new facts (such as shipping addresses) on an incremental and "as needed" basis, and then remembers and utilizes that knowledge in executing future commands. Calculation of periodicity is not limited to the Gregorian calendar but includes other ethnic calendars (such as Chinese, Jewish, Islamic or Hindu), Christian moveable feasts

(such Easter) and natural cycles (e.g., lunar or tidal).

Detailed Description Text (9):

The term "interconnected device" refers to devices which perform the same functions as the aforementioned stand-alone device, but which distribute the physical and electronic components among two or more locations and connect those components so that electronically encoded data can pass between and among them. The connection may be via wire, conduit or other substance through which electrical signals can pass, fiber-optic cables or other material through which light waves or other electromagnetic radiation can pass, via air or vacuum through which radio or other electromagnetic waves can pass. The connection includes any combination of the above, as well. An example of an interconnected device is a device similar to the stand-alone device, but with an essential component located at a nearby counter with a salesclerk. The essential component might be the credit card verifier, the printer, or a second keyboard for debugging, entering essential information or editing the personalized products. Similarly, several otherwise stand-alone devices located in one department store or shopping mall might share a single printer, a single modem for transmitting and dispensing electronic items, or a single central processing unit. The term includes systems in which the central processing unit is not located in one place but rather distributed, where input is distributed, and where memory and data storage may be separate from the computational components (which themselves may be centrally located, located at various central places or distributed). In other words, parts of the computations may be performed at different locations and parts of data may be stored at different locations. Computation and memory systems may include but need not include redundancies. The term interconnected device includes both hardwired components, and networked systems of components. The term includes but is not limited to systems of mainframes connected to dumb or smart terminals, personal computers or workstations, systems of client/servers connected to personal computers and workstations, and mixtures of such systems. The term interconnected device includes distributing the components over a network of networks such as the Internet. The term includes on-line computer access, interactive television access, and telephone access, where the input is through components (including but not limited to personal computers, interactive televisions, telephones, pagers, electronic organizers, electronic Rolodexes, personal digital assistants, ATM money machines, fax machines, scanners, and handwriting input devices) owned by various parties and possibly used for other purposes which may not be covered by the present invention. This term applies regardless of which part of the creation, recollection, or dispensing of the product is distributed. As such, the term interconnected device includes software and/or hardware which enables a personal computer, interactive television or telephone or other home or office machine or appliance to become part of an interconnected device for the purposes contained herein or enable such machines to simulate the workings of a stand-alone device or an interconnected device for the purposes contained herein. The term also includes software regardless of how distributed, and whether hardwired into the machine, hard coded into its operating system, written to hard disk or permanent memory, or into temporary storage (including but not limited to CD-ROM and floppy disk), or temporarily residing in the machine via a Java-type applet downloaded from a server or off a network such as the Internet.

Detailed Description Text (15):

The term "intelligent agent" means a device, or method which enables a device, to simulate the knowledge base or problem solving abilities of a human executive assistant or agent. The term includes databases (whether or not incrementally gathered) which "learn" relationships, substitutes, nicknames, user preferences, personal euphemisms, and the like. As an example, the device can be taught that the phrase "Bill and Patti" refers to "Mr. and Mrs. William Jones, III" and that they have a particular address, or phone number, with particular likes and dislikes, etc. so that when the user inputs "Bill and Patti" the device can supply other additional essential information necessary for the task at hand. The term

intelligent agent includes databases which generate a profile of user preferences by interactive questioning, by recording a history of the user's actual choices, or by some other means or combination of means. The term includes databases which use such profiles to create inference ranking rules that would suggest which choices an individual most prefers or which alternatives an individual might prefer (even if not yet faced with that choice). The term includes programs or methods based upon relationships and likenesses among possible choices, as well as rankings determined by polling like-minded or similarly preferenced individual (such as but not limited to the Firefly system on the Internet, by which individuals list favorite records or books, the program groups individuals with similar likes, and then infers that other records or books enjoyed by an individual would be enjoyed by similar individuals even if the similar individual had not listed the records or books). The term also includes programs which search out information, data, products, merchants, services, and the like. which meet pre-specified criteria. For example, an intelligent agent could search for the best price for a particular product, the best quality among similar products (according to some ranking organization such as Consumer Reports), or the "best" ratio of price to quality (according to some rule or rules, ranking organization such as Consumer Reports, or even expert system as defined below). As further example, an intelligent agent could search for the "biggest" rose, or the "shortest" layover time in an airplane flight schedule. The criteria might be generated by internal rules, specified by the user, or inferred from prior user choices. The term intelligent agent refers to a device or software which accomplishes one or more of the above or similar operations.

Detailed Description Text (16):

The term "expert system" means a device or program which enables a device to simulate the knowledge base or problem solving abilities of a human expert in a particular field or fields. The term includes programs which either mimic or attempt to simulate the decision tree and choice rules which an expert uses to diagnose a problem (such as a doctor diagnosing an illness or an auto mechanic analyzing the source of a mechanical problem in a car engine), propose solutions to the problem (such as a doctor writing prescriptions for a patient's illness that do not create bad reactions with the patient's other prescriptions), find relevant information from extended or extensive databases, or otherwise apply rule based systems of logic and inference to problem solving (or problem defining) activities. The term includes both systems designed for well defined problems, as well as those designed for amorphous situations. The term includes both systems relying on "hard and fast" rules as well as those incorporating "fuzzy" logic or probabilistic decision analysis. In addition the term includes both systems incorporating deductive reasoning from known premises, and inductive reasoning from observations (such as but not limited to the use of Bayesian estimators). The term includes all such rule based systems regardless of the mathematical methodology or logical structure used to develop or implement the rules. In the context of gift giving, expert systems can simulate the advice of Amy Vanderbilt or Martha Stewart on the properness, appropriateness or good taste of a particular gift. The human counterpart exists in high-end department stores such as Nordstrom's which offer customers the service of "personal buyers" to help select merchandise for the customer. In the particular context of sending flowers or plants, an expert system can advise which plants grow best in the intended recipient's place of residence as well as on issues of etiquette. For example, the expert system might inform a user that a wreath is not an appropriate gift to give to a Jewish family because wreaths have become a Christian symbol signifying the resurrection of Jesus. The term "expert system" applies both to a program or device actively called upon by the user for advice, as well as a program which offers unsolicited advice (such as error messages). In addition, the term applies both to a program which gives "advice" as well as one which works in the background, helping choose, categorize or rank options.

Detailed Description Text (29):

Each repeat user is assigned a password or user identification number. The password

or user identification number might be assigned by the system operator or administrator prior to a user's first use of the device. In an integrated computer system, a user might have the same password to access both the portions of the computer which embody this invention, and other portions of the computer which perform other tasks, such as word processing, or accounting. Alternatively, the device might assign a password to the user on his or her first use of the device or the device might let the user pick his or her own password that the device then remembers. If the user's access to the interactive device is via software installed on his or her own computer, the password might be assigned or chosen as a part of the setup and installation procedure of the software. Alternatively, the device might be programmed to accept a user ID issued by a third party (e.g., a credit card number, PIN number or social security number, etc.) as a valid ID. Rather than a password, a device might use other user identification procedures, such as retina scans, finger print scans or vocal identification, with requisite hardware incorporated into the device. If the user's access to the interactive device is via software installed on his or her own desktop terminal or computer, "logging on" to the computer or computer system using that user identification number and password, may also automatically "log" the user on to the present invention. In such a case, the enabling software resides as a memory resident program (like many scheduler and organizer programs) which is loaded when the machine is first booted up, but remains "dormant", with minimal use of machine resources until the user calls upon the present invention ("logs on") by clicking an icon, pressing a special key or combination of keys, or issuing a special voice command. In such an embodiment, the user, as part of the installation procedure, enters certain essential information for purchasing and delivering the items, such as his or her own name, return address, credit card number(s), and preferred closing ("Sincerely yours, Ben").

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Current US Cross Reference Classification (2):

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